ChemRisk Document No. 1296

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Date	June 7, 1950		File			
	Gross Sets and Games Activities of Dissolver Colution.		Those Eligible To Read The Attached			
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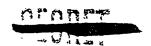
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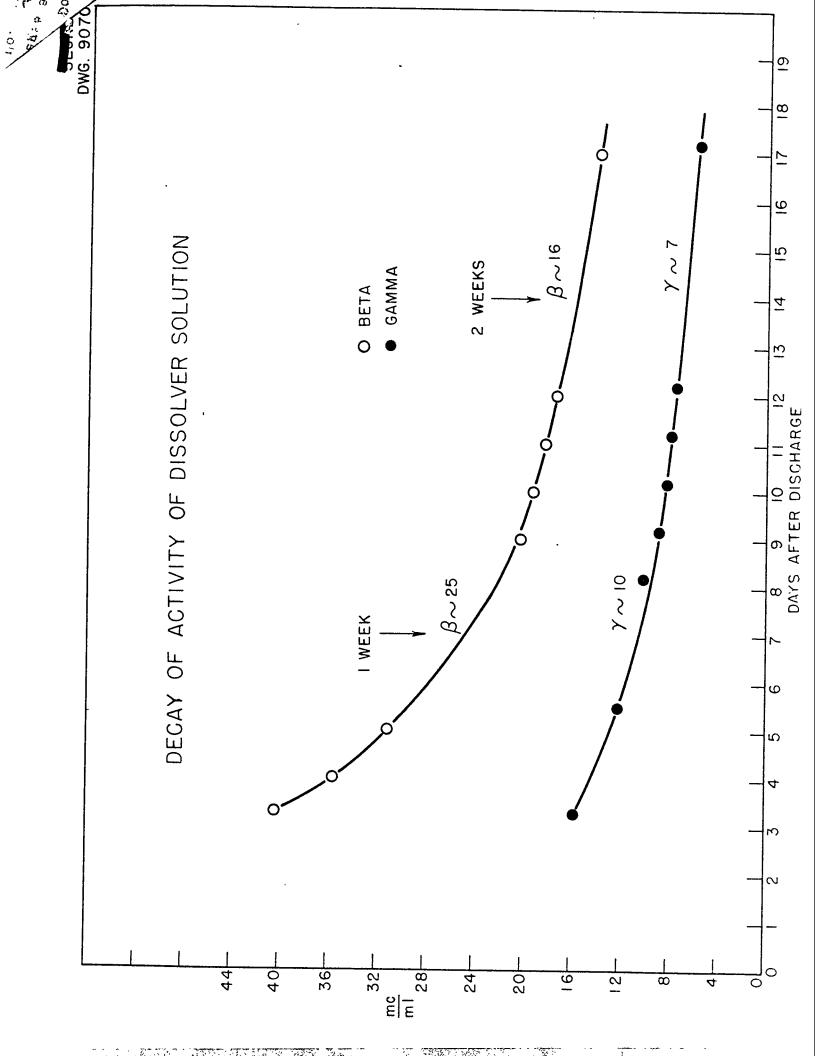
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ATTENTION COPY TO	H. J. McAlduff Col. McCormick for Lt. W. H. Carr	Gross Beta and Gamma			
	L. B. Emlet E. J. Witkowski	Solution.			
	2. A. Reynolds file				
The gross beta and gamma activities of a typical sample of CRML dissolver solution (fission iodine process) were determined in order to evaluate the extent of settling basin contamination caused by the Army laundry program in July.					
	The beta activity was determined by counting a suitaliquot dried on a one-inch watch glass and supported on the second shelf of the standard counter. The counting efficient of this arrangement is about 10%. This simulates adequately conditions of measurement of settling basin beta activity. Was followed for two weeks. The figure shows nominal milliper milliliter as a function of time after pile discharge.				
	The gamma activity was maionization chamber. The activity (see figure).	vas calculated as 1 Nev photons Surell 6. A. Reynolds			
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By 9. A. Reynolds	Gopy#
To M. T. Kelley	901
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To

LOCATION

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June 9, 1950

Cale '3'24 Answering Letter Date

ATTENTION COPY TO

H. J. Walduff

Col. McCormick for Lt. W. E. Jarr Subject

Gross Peta and Gamma Activities of Dissolver

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The gross beta and gamma activities of a typical sample of CIML dissolver solution (fission iodine process) were determined in order to evaluate the extent of settling basin contamination caused by the Army Laundry program in July.

The beta activity was determined by counting a suitable aliquot dried on a one-inch watch glass and supported on the second shelf of the standard counter. The counting efficiency of this arrangement is about 10%. This simulates adequately the conditions of measurement of settling basin beta activity. Decay was followed for two weeks. The figure shows nominal millicuries per milliliter as a function of time after pile discharge.

The gamma activity was measured by means of the gamma ionization chamber. The activity was calculated as 1 Mev photons (see figure).

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